GOVERNMENT OF INDIA
NON-CONVENTIONAL ENERGY SOURCES
LOK SABHA

UNSTARRED QUESTION NO:2095
ANSWERED ON:05.08.2005
WIND ENERGY
Barad Shri Jashubhai Dhanabhai;Gandhi Smt. Maneka;Mohale Shri Punnulal;Murmu Shri Rupchand;Vallabbhaneni Shri Balashowry

Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the number of waste based and wind based energy projects established in each State with the Central assistance as on date, separately;

(b) the quantum of energy generated by these projects, State-wise;

(c) whether some State Governments have forwarded their proposals for establishing such projects in their State;

(d) if so, the details thereof and the action taken by the Union Government thereon;

(e) the quantum of assistance provided by the Government to each State during the last three years for the purposes;

(f) whether any external assistance has been received for these projects during the last three years;

(g) if so, the details thereof, year-wise and State-wise; and

(h) the extent to which this programme supplements the demand of power in the country?

Answer

MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (INDEPENDENT CHARGE) (SHRI VILAS MUTTEMWAR)

(a): A total of 25 Waste-to-Energy Projects have been set up with Central Financial Assistance under the Waste-to-Energy Programme. Central Financial Assistance (CFA) is provided for setting up of only limited number of demonstration wind power projects for opening up of new sites. A total of 36 demonstration projects, aggregating to 70.6 MW installed capacity have been set up so far in ten States with Central Financial Assistance. State-wise information is given in Annexure-I. Moreover, a total wind power capacity of about 3670 MW has been installed in the country so far as commercial projects through private investments.

(b): The State-wise information on the quantum of energy generated by the above projects is given in Annexure-II.

(c) & (d): No proposals have so far been forwarded by State Governments for establishing waste-to-energy projects. Wind power projects are mostly set up as commercial projects through private investments at potential windy sites and such projects are cleared by the respective State Nodal Agencies/ State Electricity Boards.

(e): The State-wise details of Central Financial Assistance provided by the Ministry during last three years for setting up of power projects based on urban and industrial wastes and demonstration wind power projects are given in Annexure-III.

(f) & (g): External Financial Assistance amounting to Rs 11.70 Crore (US$ 25,99,400) has been received from United Nations Development Programme(UNDP) for implementation of a project on development of high rate biomethanation processes for urban and industrial wastes. Information on State-wise and year-wise support provided out of UNDP funds is given at Annexure-IV.

(h): Urban and industrial waste-to-energy and wind power projects with an aggregate capacities of 45 MW and 3740 MW respectively have so far been installed in the country.

ANNEXURE-I

Annexure-I referred to in reply to part (a) of the Lok Sabha Unstarred Question No.2095 for 5.8.2005 regarding Wind Energy.

STATE-WISE NUMBER OF POWER PROJECTS SET UP IN THE COUNTRY WITH CENTRAL FINANCIAL ASSISTANCE.

(a) Urban and Industrial Wastes to Energy Projects:

SL.NO.	STATE	PROJECTS SET UP (NO.)
1	Andhra Pradesh	7
2	Gujarat	3
3	Karnataka	2
4	Madhya Pradesh	2
5	Maharashtra	2
6	Orissa	1
7	Punjab	2
8	Uttar Pradesh	3
9	Tamilnadu	5
	Total	27

(b) Demonstration Wind Power Projects:

SL.NO.	STATE	PROJECTS SET UP (NO.)
1	ANDHRA PRADESH	3
2	GUJARAT	7
3	KARNATAKA	4
4	KERALA	2
5	MADHYA PRADESH	1
6	MAHARASHTRA	6
7	RAJASTHAN	3
8	TAMIL NADU	8
9	WEST BENGAL	1
10	ORISSA	1
	Total	36

ANNEXURE-II

Annexure-II referred to in reply to part (b) of the Lok Sabha Unstarred Question No.2095 for 5.8.2005 regarding wind energy.

State-wise Quantum of energy generated from Urban and Industrial Waste to Energy and Wind Power Projects.

(a) Urban & Industrial Waste to Energy Projects:

million units of electricity (kwh)

Sl.NO.	STATE	TOTAL
1	Andhra Pradesh	114.45
2	Gujarat	14.16
3	Karnataka	3.20

4 Madhya Pradesh 12.40
5 Maharashtra 6.38
6 Punjab 1.99
7 Uttar Pradesh 15.00
8 Tamil Nadu 0.96

Total 168.54

(b) #Wind Power Projects:

million units of electricity (kwh)

Sl.NO. STATES TOTAL

1 Andhra Pradesh 715.68
2 Gujarat 1324.89
3 Karnataka 1020.98
4 Kerala 15.86
5 Madhya Pradesh 180.78
6 Maharashtra 2594.21
7 Orissa 1.17
8 Tamil Nadu 10845.84
9 Rajasthan 75.56
10 West Bengal 1.65

Total 16774.97

= including demonstration wind power projects

ANNEXURE-III

Annexure-III referred to in reply to part (e) of the Lok Sabha Unstarred Question No.2095 for 5.8.2005 regarding wind energy.

Details of Central Financial Assistance provided by the Ministry to various States during the last three years (2002-03, 2003-04, 2004-05) for setting up power projects based on Urban and Industrial Wastes and Wind Energy.

(a) Urban & Industrial Wastes: (Rs.in crore)

SL. NO. STATE CENTRAL FINANCIAL ASSISTANCE

1 Andhra Pradesh 4.81

2 Gujarat 1.15
3 Punjab 1.14
4 Tamil Nadu 9.20
5 Uttar Pradesh 8.29
6 Delhi 0.52
7 Jharkhand 0.11

(b) Demonstration Wind Power Projects: (Rs.in crore)

SL. NO. STATE CENTRAL FINANCIAL ASSISTANCE

1 Andhra Pradesh 4.13
2 Karnataka 7.94
3 Maharashtra 2.84
4 West Bengal 2.04

ANNEXURE-IV

Annexure-IV referred to in reply to part (f)&(g) of the Lok Sabha Unstarred Question No.2095 for 5.8.2005 regarding Wind Energy.

State-wise and Year-wise information on External Financial Assistance provided for Waste to Energy Projects based on Urban and Industrial Wastes.

(Rs. in Lakhs)

Sr.No.	State	2002-03	2003-04	2004-05	Total Assistance in last three years
1.	Andhra Pradesh	7.58	37.93	30.34	75.85
2.	Gujarat	29.33	-	19.69	49.02
3.	Punjab	331.71	212.09	-	543.80
4.	Tamil Nadu	89.74	-	100.90	190.64
	Total	458.36	250.02	150.93	859.31